BRUHATH BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

15

Name of Work: Estimate for Maintenance and Development of Park in Defence Layout Vidyaranyapura in Ward No. 09, Vidyaranyapura.

	009-18-000011	P-2172 Dy. Mayor			Estimate Cost:			2000000.00	
Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork **excavation by manual means in ordinary soil** involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 **Page No. 142 / Item No. 19.1, PWD SR 2016-17**	Cum							
	For Leveling		1	30.00	17.00	0.15	76.50		
			2	30.00	0.90	0.10	5.40		
			2	17.00	0.90	0.10	3.06		
	Flat From Benches		2	28.00	1.50	0.10	8.40		
			2	15.00	1.50	0.10	4.50		
	Basic Rate	82.00					**97.86**	199.36	**19510.00**
	Add loading and unloading Charges **It No 17.1 KSRRB M 100-1**	68.00							
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 T X 11.90Km X 2.5 / km= 38.08	38.08							
		188.08							
	Area Weightage @ 6%	11.28							
	Total	**199.36**							
2	KSRB 4-1.2 : Providing and laying in position **plain cement concrete of mix 1:3:6** with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation** including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **(P.No. 12/I.No. 4.2 of CSR 2016-17)**	Cum							
	For Surrounding		2	30.00	0.90	0.15	8.10		
			2	17.00	0.90	0.15	4.59		
	Flat From Benches		2	28.00	1.50	0.15	12.60		
			2	15.00	1.50	0.15	6.75		
	Basic Rate	5046.00					**32.04**	5348.76	**171374.00**
	Area Weightage @ 6%	302.76							
	Total	**5348.76**							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
3	Providing and laying **cement concrete** using 20mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete for RCC works laid in 15 cm thick layers and well compacted including vibrating curing etc., with all lead and lift etc., complete. (exculsive of cost of steel and fabrication charges) - **Ready mixed Cement concrete for Beams, Staircase and Roof with M-25 Page No. 18, Item No. 4.49.2 PWD SR 2016-17**	Cum							
	Flat From Benches		2	28.00	1.50	0.10	8.40		
			2	15.00	1.50	0.10	4.50		
	Basic Rate	6065.00					**12.90**	6428.90	**82933.00**
	Area Weightage @ 6%	363.90							
	Total	**6428.90**							
4	KSRB 4-6.4 : Providing and removing **centering, shuttering, strutting, propping** etc., and removal of form work for **vertical surface such as walls at any thickness**, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 **Page No. 15 / Item No. 4.31 PWD SR 2016-17**	Sqm							
	Flat From Benches		4	28.00		0.25	28.00		
			4	15.00		0.25	15.00		
	Basic Rate	293.00					**43.00**	310.58	**13355.00**
	Area Weightage @ 6%	17.58							
	Total	**310.58**							
5	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size **400x200x200 mm** having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 **Page No. 25 / Item No. 5.26.1, PWD SR 2016-17**	Sqm							
			2	30.00		0.90	54.00		
			2	17.00		0.90	30.60		
	Basic Rate	937.00					**84.60**	993.22	**84026.00**
	Area Weightage @ 6%	56.22							
	Total	**993.22**							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
6	KSRB 4-6.4 : Providing and removing **centering, shuttering, strutting, propping** etc., and removal of form work for **vertical surface such as walls at any thickness**, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 **Page No. 15 / Item No. 4.31 PWD SR 2016-17**	Sqm							
			4	30.00		1.10	132.00		
			4	17.00		1.10	74.80		
	Basic Rate	937.00					**206.80**	993.22	**205398.00**
	Area Weightage @ 6%	56.22							
	Total	**993.22**							
7	KSRRB M400-Construction of footpath and separator KSRRB M400-21. Construction of footpath/separator by providing a 150 mm compacted granular sub-base as per Clause 401 & 25mm thick cement concrete grade M-15, overlaid with precast concrete tiles in cement mortar 1:3 including provision of all drainage arrangements but excluding kerb channel complete as per specifications. MORTH Specification No. 409 **Page No. 158 / Item No. 20.21, PWD SR 2016-17**	Sqm							
			2	28.00		1.50	84.00		
			2	15.00		1.50	45.00		
	Basic Rate	672.00					**129.00**	712.32	**91889.00**
	Area Weightage @ 6%	40.32							
	Total	**712.32**							
8	Providing Granite Benches	Nos							
			30				30	10000.00	**300000.00**
9	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members asshown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specifiocation. **Page. No. 43 / Item. No. 7.37 PWD SR 2016-17**	Sqm							
			1	4.00	2.00		8.00		
	Basic rate	2934.00					**8.00**	3110.04	**24880.00**
	Add 6% AW	176.04							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Total	**3110.04**							
10	KSRRB M300- Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305 **Page No. 148 / Item No. 19.60, PWD SR 2016-17**	cum							
			1	30.00	17.00	0.30	153.00		
	Basic rate	302.00					**153.00**	320.12	**48978.00**
	Add 6% AW	18.12							
	Total	**320.12**							
11	KSRRB M2100-9. **Sand Filling** in Foundation Trenches as per Drawing & Technical SpecificationMORTH Specification No. 304 **Item No. 27.17 Page No. 217, PWD SR 2016-17**	Cum							
			1	30.00	17.00	0.45	229.50		
	Basic Rate	2757.00					**229.50**	2922.42	**670695.00**
	Area Weightage @ 6%	165.42							
	Total	**2922.42**							
12	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete **Page No. 25 / Item No. 5.30 PWD SR 2016-17**	No							
			2	30.00			133		
				0.45					
			2	17.00			76		
				0.45					
			1	19.00			42		
				0.45					
	Basic Rate	313.00					**251**	331.78	**83314.00**
	Area Weightage @ 6%	18.78							
	Total	**331.78**							
13	KSRB 15-19.1 : Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. **Page No. 122 / Item No. Item No. 15.80, PWD SR 2016-17**	Sqm							

o.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			2	30.00		0.45	27.00		
			2	17.00		0.45	15.30		
			1	19.00		0.45	8.55		
							50.85	27.56	**1401.00**
	Basic Rate	26.00							
	Area Weightage @ 6%	1.56							
	Total	**27.56**							
14	KSRB 15-19.2 : Providing and applying spray painting in two coats (excluding priming coat) over concrete / masonry / asbestos cement sheet / plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications.**Page No. 122 / Item No. Item No. 15.81, PWD SR 2016-17**	Sqm							
			Qty Vide Item No. 13				**50.85**	69.96	**3557.00**
	Basic Rate	66.00							
	Area Weightage @ 6%	3.96							
	Total	**69.96**							
	Sub Total								**1801310.00**
	KRIDL Charges @ 10%								**180131.00**
	Labour Cess @ 1%								**18013.00**
	Miscellaneous and unforeseen charges	LS							**546.00**
								Total	**2000000.00**
	Rupees Twenty Lakh(s) Only								

Certificate:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2016-17.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 09

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Administrative Approval
Accorded For 20 lakhs only
Head of A/C P2178
CER NO :AE/08/18-19 Dt:08.06.18

TECHNICAL SANCTION
Accorded For Rs. Twenty lakhs only
Head of A/c P-2178
Div. Ref. No. 35 Date 23/07/18

TA CE (YNK) AE EE(BTP)